

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/593,597
Source: IFWP
Date Processed by STIC: 9/29/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

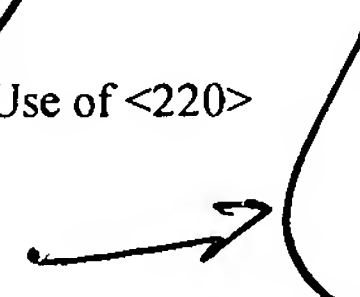
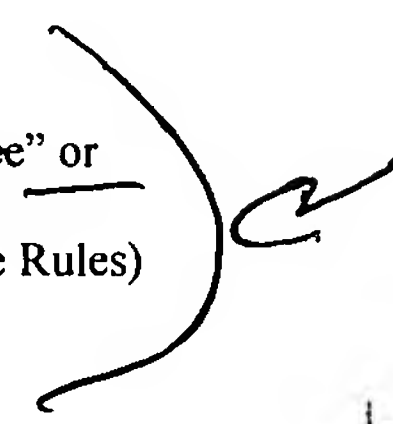
SUGGESTED CORRECTION

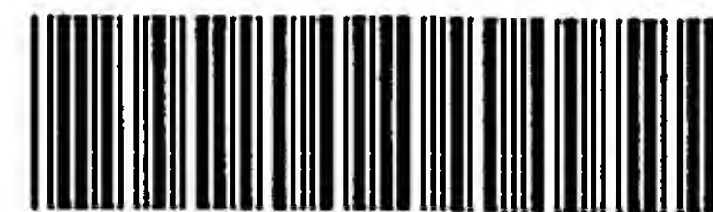
SERIAL NUMBER:

10/593,597

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220>
  Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
  (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWP

RAW SEQUENCE LISTING

DATE: 09/29/2006

PATENT APPLICATION: US/10/593,597

TIME: 09:35:51

Input Set : A:\39749-0004US saved September 13, 2006.txt

Output Set: N:\CRF4\09292006\J593597.raw

4 <110> APPLICANT: Shipley, Janet
 5 Williamson, Daniel
 6 Renshaw, Jane
 7 Orr, Roseanne
 10 <120> TITLE OF INVENTION: Materials and Methods for Treatment of
 11 Cancer
 13 <130> FILE REFERENCE: 39749-0004 US
 C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/593,597
 C--> 16 <141> CURRENT FILING DATE: 2006-09-20
 18 <150> PRIOR APPLICATION NUMBER: GB 0406415.0
 19 <151> PRIOR FILING DATE: 2004-03-22
 21 <150> PRIOR APPLICATION NUMBER: PCT/GB2005/001085
 22 <151> PRIOR FILING DATE: 2005-03-22
 24 <160> NUMBER OF SEQ ID NOS: 28
 26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 16
 30 <212> TYPE: PRT
 31 <213> ORGANISM: Artificial Sequence
 33 <220> FEATURE:
 34 <223> OTHER INFORMATION: Epitope peptide
 36 <400> SEQUENCE: 1
 37 Cys Lys Ser Tyr Thr Gln Arg Val Val Gly Asn Gly Ile Lys Ala Gln
 38 1 5 10 15
 41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 30
 43 <212> TYPE: DNA
 44 <213> ORGANISM: Artificial Sequence
 46 <220> FEATURE:
 47 <223> OTHER INFORMATION: Forward primer for the quantification of WT1
 49 <400> SEQUENCE: 2
 50 taccaggct gcaataagag atattttaag 30
 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 24
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Artificial Sequence
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: Reverse primer for the quantification of WT1
 60 <400> SEQUENCE: 3
 61 cctttggtgt cttttgagct ggctc 24
 63 <210> SEQ ID NO: 4
 64 <211> LENGTH: 38
 65 <212> TYPE: DNA

Does Not Comply
Corrected Diskette Needed

(pg. 5)

RAW SEQUENCE LISTING

DATE: 09/29/2006

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Output Set: N:\CRF4\09292006\J593597.raw

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66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Probe for the quantification of WT1
71 <400> SEQUENCE: 4
72 cactgggtgag aaaccatacc agtgtgactt caaggact 38
74 <210> SEQ ID NO: 5
75 <211> LENGTH: 24
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: GPC5 Forward primer
82 <400> SEQUENCE: 5
83 cccacccaaa tctcatctag aatt 24
85 <210> SEQ ID NO: 6
86 <211> LENGTH: 23
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: GPC5 Probe - FAM labelled
93 <400> SEQUENCE: 6
94 ccgggttcct ccctttgcac atg 23
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 21
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: GPC5 Reverse primer
104 <400> SEQUENCE: 7
105 acgcattgcc cagttgtag a 21
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 25
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: GJB2 Forward primer
115 <400> SEQUENCE: 8
116 tggttgcatt taaggtcaga atctt 25
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 27
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: GJB2 Probe - Vic Labelled
126 <400> SEQUENCE: 9
127 ctagcgactg agccttgaca gctgagc 27
129 <210> SEQ ID NO: 10
130 <211> LENGTH: 19
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING

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TIME: 09:35:51

Input Set : A:\39749-0004US saved September 13, 2006.txt

Output Set: N:\CRF4\09292006\J593597.raw

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134 <220> FEATURE:
135 <223> OTHER INFORMATION: GJB2 Reverse primer
137 <400> SEQUENCE: 10
138 gcagaggcac gttcaggaa 19
140 <210> SEQ ID NO: 11
141 <211> LENGTH: 15
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: GPC5 Forward primer
148 <400> SEQUENCE: 11
149 gggctgccgg attcg 15
151 <210> SEQ ID NO: 12
152 <211> LENGTH: 22
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: GPC5 Probe - FAM labelled
159 <400> SEQUENCE: 12
160 cgcgggcagg acctgatctt ca 22
162 <210> SEQ ID NO: 13
163 <211> LENGTH: 22
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: GPC5 Reverse primer
170 <400> SEQUENCE: 13
171 ctggtgcaac atgtaggctt tt 22
173 <210> SEQ ID NO: 14
174 <211> LENGTH: 20
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: GPC6 Forward primer
181 <400> SEQUENCE: 14
182 tgaccagctc aagccatttg 20
184 <210> SEQ ID NO: 15
185 <211> LENGTH: 26
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: GPC6 Probe - FAM labelled
192 <400> SEQUENCE: 15
193 agacgtgccc cggaaactga agattc 26
195 <210> SEQ ID NO: 16
196 <211> LENGTH: 17
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:

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RAW SEQUENCE LISTING

DATE: 09/29/2006

PATENT APPLICATION: US/10/593,597

TIME: 09:35:51

Input Set : A:\39749-0004US saved September 13, 2006.txt

Output Set: N:\CRF4\09292006\J593597.raw

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201 <223> OTHER INFORMATION: GPC6 Reverse primer
203 <400> SEQUENCE: 16
204 tgaaggcgcg ggtaacc 17
206 <210> SEQ ID NO: 17
207 <211> LENGTH: 20
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: GPC6 Forward primer
214 <400> SEQUENCE: 17
215 aacgaggagg aatgctggaa 20
217 <210> SEQ ID NO: 18
218 <211> LENGTH: 30
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: GPC6 Probe - FAM labelled
225 <400> SEQUENCE: 18
226 cacagcaaag ccagatactt gcctgagatc 30
228 <210> SEQ ID NO: 19
229 <211> LENGTH: 20
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: GPC6 Reverse primer
236 <400> SEQUENCE: 19
237 ctggttggtg agcccatcat 20
239 <210> SEQ ID NO: 20
240 <211> LENGTH: 36
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: GPC5 Forward primer
247 <400> SEQUENCE: 20
248 tataagcttc caccatggac gcacagacct ggcccg 36
250 <210> SEQ ID NO: 21
251 <211> LENGTH: 29
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: GPC5 Reverse primer
258 <400> SEQUENCE: 21
259 cgcgtcgact taccaaattc cggaagta 29
261 <210> SEQ ID NO: 22
262 <211> LENGTH: 20
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: ISIS 15770, a 5-10-5 gapmer targeting murine c-raf

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RAW SEQUENCE LISTING

DATE: 09/29/2006

PATENT APPLICATION: US/10/593,597

TIME: 09:35:51

Input Set : A:\39749-0004US saved September 13, 2006.txt

Output Set: N:\CRF4\09292006\J593597.raw

268 kinase used as a control

270 <400> SEQUENCE: 22

271 atgcattctg cccccaagga

273 <210> SEQ ID NO: 23

274 <211> LENGTH: 20

275 <212> TYPE: DNA

276 <213> ORGANISM: Artificial Sequence

278 <220> FEATURE:

279 <223> OTHER INFORMATION: ISIS 276107

281 <400> SEQUENCE: 23

282 cagccccctg acagctccca

284 <210> SEQ ID NO: 24

285 <211> LENGTH: 20

286 <212> TYPE: DNA

287 <213> ORGANISM: Artificial Sequence

289 <220> FEATURE:

290 <223> OTHER INFORMATION: ISIS 276119

292 <400> SEQUENCE: 24

293 ccatctgcag cagctaattc

295 <210> SEQ ID NO: 25

296 <211> LENGTH: 20

297 <212> TYPE: DNA

298 <213> ORGANISM: Artificial Sequence

300 <220> FEATURE:

301 <223> OTHER INFORMATION: ISIS 276124 (Control)

303 <400> SEQUENCE: 25

304 tggatttgct ttacatcact

306 <210> SEQ ID NO: 26

307 <211> LENGTH: 20

308 <212> TYPE: DNA

309 <213> ORGANISM: Artificial Sequence

311 <220> FEATURE:

312 <223> OTHER INFORMATION: ISIS 16609, a previously identified antisense

313 oligonucleotide targeting WT1 exon 5

315 <400> SEQUENCE: 26

316 gcccttctgt ccatttcact

318 <210> SEQ ID NO: 27

319 <211> LENGTH: 20

320 <212> TYPE: DNA

321 <213> ORGANISM: Artificial Sequence

323 <220> FEATURE:

324 <223> OTHER INFORMATION: ISIS 16601, a previously identified antisense

325 oligonucleotide targeting the 3prime-UTR region of

326 WT1

328 <400> SEQUENCE: 27

329 cacatacaca tgccctggcc

331 <210> SEQ ID NO: 28

332 <211> LENGTH: 20

333 <212> TYPE: DNA

PLS explain source of genetic material.

What is this?

same error

same error

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

See item

#11 on error summary sheet

VERIFICATION SUMMARY

DATE: 09/29/2006

PATENT APPLICATION: US/10/593,597

TIME: 09:35:52

Input Set : A:\39749-0004US saved September 13, 2006.txt

Output Set: N:\CRF4\09292006\J593597.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application Number

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date